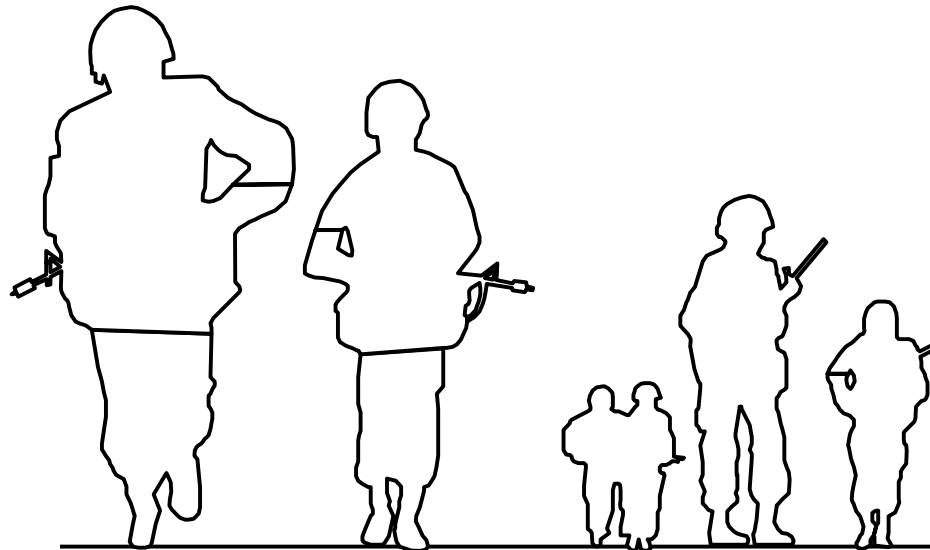
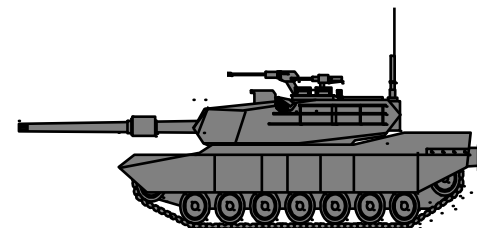




TO SEND UNTRAINED  
SOLDIERS INTO COMBAT IS TO  
THROW THEM AWAY.....



***DESERT THUNDER!***





## **ENABLING LEARNING OBJ**

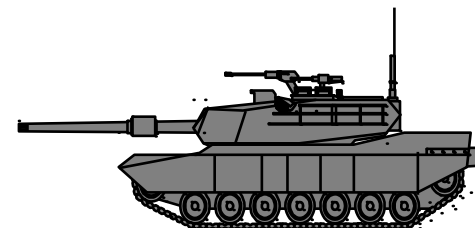
- ACTION: DEFINE AND FAMILIARIZE STUDENTS WITH MI KEY TERMS AND CONCEPTS
- CONDITION: FM 34-1, FM 34-10
- STANDARD: IAW FM 34-1 AND FM 34-10, ACHIEVE 75% ON EXAM

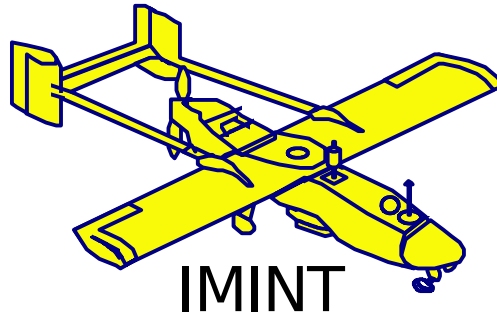
## **ADMINISTRATIVE INFORMATION**

- RISK: LOW
- SAFETY CONSIDERATIONS: PER SOP
- ENVIRONMENTAL CONSIDERATIONS: NONE
- UNCLASSIFIED

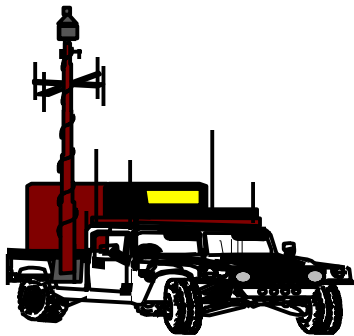
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***DESERT THUNDER!***

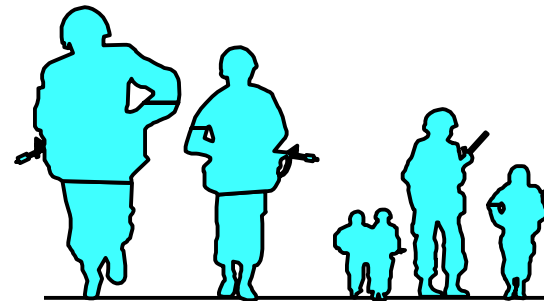




# ALL SOURCE I

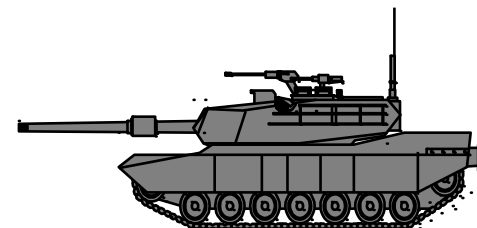


SIGINT



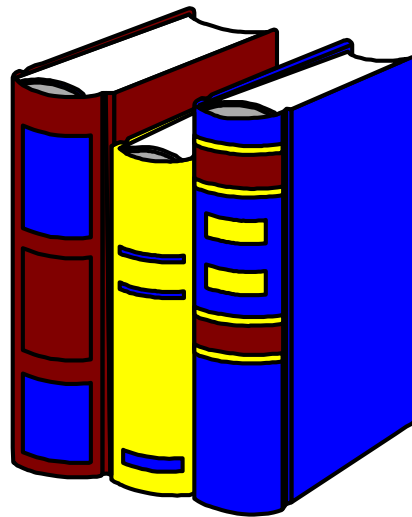
HUMINT

***DESERT THUNDER!***





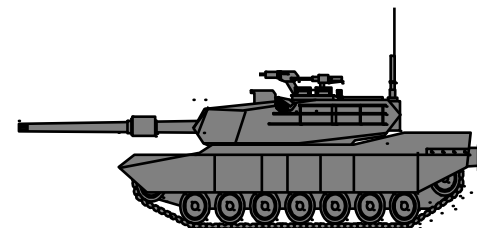
# MILITARY INTELLIGENCE



## TERMS AND DEFINITIONS

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***DESERT THUNDER!***



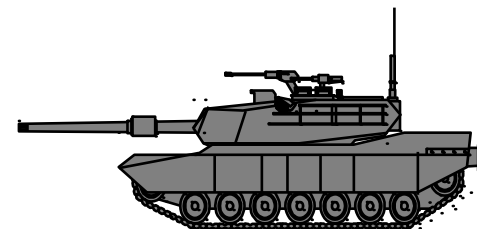


# INTELLIGENCE

THE PRODUCT RESULTING FROM THE  
COLLECTION, EVALUATION, ANALYSIS,  
INTEGRATION, AND INTERPRETATION OF  
ALL AVAILABLE INFORMATION WHICH IS  
IMMEDIATELY OR POTENTIALLY  
SIGNIFICANT TO OPERATIONS

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***DESERT THUNDER!***





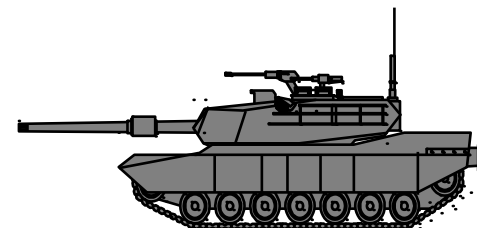
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# COMBAT INFORMATION

UNEVALUATED DATA GATHERED BY  
OR PROVIDED DIRECTLY TO THE  
TACTICAL COMMANDER WHICH IS  
HIGHLY TIME SENSITIVE AND  
CANNOT BE PROCESSED INTO  
INTELLIGENCE IN TIME TO SATISFY  
THE COMMANDER'S NEEDS.

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***DESERT THUNDER!***





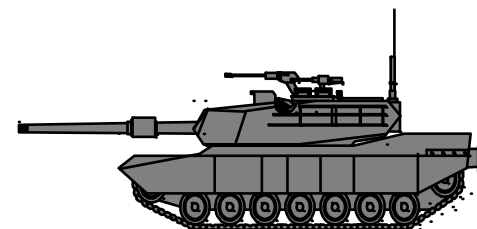
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# LEVELS OF INTELLIGENCE

THE LEVELS OF INTELLIGENCE  
CORRESPOND TO THE  
ESTABLISHED LEVELS OF WAR:  
STRATEGIC  
OPERATIONAL  
TACTICAL

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***DESERT THUNDER!***





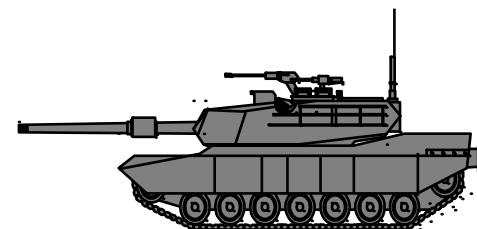
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# STRATEGIC INTELLIGENCE

- SUPPORTS THE FORMATION OF STRATEGY, POLICY, AND MILITARY PLANS AND OPERATIONS AT THE **NATIONAL AND THEATER LEVELS.**
- CONCENTRATES ON THE NATIONAL, POLITICAL, ECONOMIC, AND MILITARY CONSIDERATIONS OF STATES OR NATIONS.

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***DESERT THUNDER!***







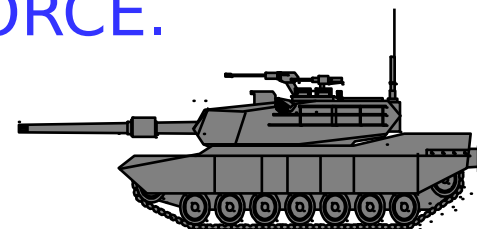
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# OPERATIONAL INTELLIGENCE

- SUPPORTS THE PLANNING AND EXECUTION OF CAMPAIGNS AND MAJOR OPERATIONS, AND REFLECTS THE NATURE OF THE THEATER OF WAR ITSELF.
- INTELLIGENCE AT THIS LEVEL SERVES AS A BRIDGE BETWEEN STRATEGIC AND TACTICAL LEVELS.
- FOCUSES PRIMARILY ON THE INTELLIGENCE NEEDS OF COMMANDERS FROM THEATER THROUGH CORPS AND JOINT TASK FORCE.

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***DESERT THUNDER!***



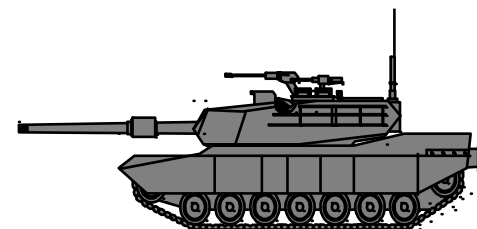


# TACTICAL INTELLIGENCE

- SUPPORTS THE EXECUTION OF BATTLES AND ENGAGEMENTS.
- IS DISTINGUISHED FROM OTHER LEVELS BY ITS PERISHABILITY AND ABILITY TO IMMEDIATELY INFLUENCE THE OUTCOME OF THE TACTICAL COMMANDER'S MISSION.
- NORMALLY SUPPORTS OPERATIONS OF ECHELONS CORPS AND BELOW (ECB) UNITS.

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***DESERT THUNDER!***



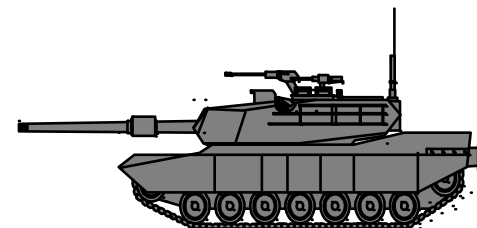


# CATEGORIES OF INTELLIGENCE

- HUMAN (HUMINT)
- IMAGERY (IMINT)
- MEASUREMENT AND SIGNATURE (MASINT)
- SIGNALS (SIGINT)
  - COMMUNICATIONS (COMINT)
  - ELECTRONIC (ELINT)
- COUNTERINTELLIGENCE (CI)
- TECHNICAL (TECHINT)

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***DESERT THUNDER!***



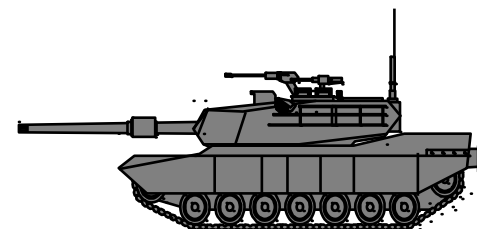


# HUMAN INTELLIGENCE (HUMINT)

- INTELLIGENCE DERIVED BY ANALYZING INFORMATION OBTAINED FROM **HUMAN SOURCES**.
- OLDEST INTELLIGENCE DISCIPLINE.
- OBTAINED BY EITHER OVERT OR CLANDESTINE METHODS.
- PARTICULARLY IMPORTANT IN OOTW.
- EXAMPLES :
  - INTERROGATION
  - DOCUMENT EXPLOITATION
  - LRSUs, SCOUTS, PATROLS

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***DESERT THUNDER!***



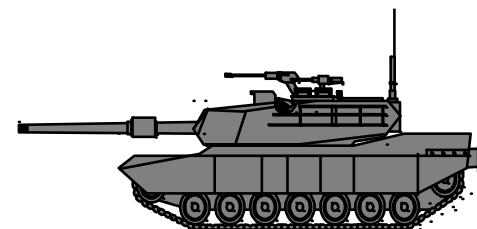


# IMAGERY INTELLIGENCE (IMINT)

- INTELLIGENCE DERIVED BY ANALYZING INFORMATION **OBTAINED FROM IMAGERY** OR VISUAL INFORMATION.
- IMAGERY IS DERIVED FROM, BUT NOT LIMITED TO, RADAR, INFRARED, OPTICAL, AND ELECTRO-OPTICAL SENSORS.
- **SYSTEMS THAT PROVIDE IMINT INCLUDE:**
  - **U2R ADVANCED SYNTHETIC APERTURE RADAR SYSTEM (ASARS)**
  - **JOINT STARS**
  - **UAV**

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***DESERT THUNDER!***





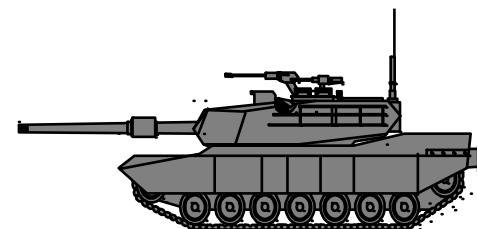
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# MEASUREMENT AND SIGNATURE INTELLIGENCE (MASINT)

- MASINT USES INFORMATION GATHERED BY TECHNICAL INSTRUMENTS SUCH AS RADARS, LASERS, RADIATION DETECTORS, SEISMIC, AND OTHER SENSORS TO MEASURE OBJECTS OR EVENTS IN ORDER TO IDENTIFY THEM BY THEIR **SIGNATURES**.
- **REMBASS** IS AN EXAMPLE OF A MASINT COLLECTOR.

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***DESERT THUNDER!***





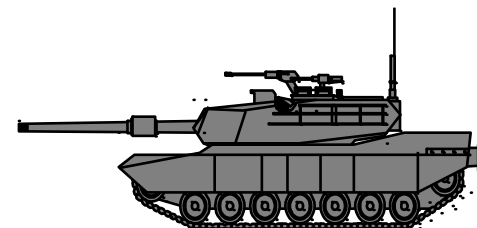
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# SIGNALS INTELLIGENCE (SIGINT)

- SIGINT RESULTS FROM COLLECTING, LOCATING, PROCESSING, ANALYZING, AND REPORTING INTERCEPTED **COMMUNICATIONS AND NONCOMMUNICATIONS** (FOR EXAMPLE, RADARS) EMITTERS.
- SIGINT IS FURTHER SUB-DIVIDED INTO TWO CATEGORIES:
  - **COMMUNICATIONS INTELLIGENCE (COMINT)**
  - **ELECTRONIC INTELLIGENCE (ELINT)**

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***DESERT THUNDER!***





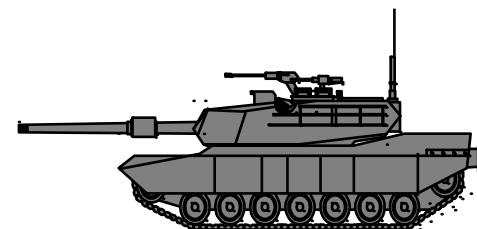
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# COMMUNICATIONS INTELLIGENCE (COMINT)

- INTELLIGENCE DERIVED FROM **COMMUNICATIONS** BY INDIVIDUALS OTHER THAN THE INTENDED RECIPIENT.
- INCLUDES BOTH **VOICE AND NON-VOICE COMMUNICATIONS**.

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***DESERT THUNDER!***







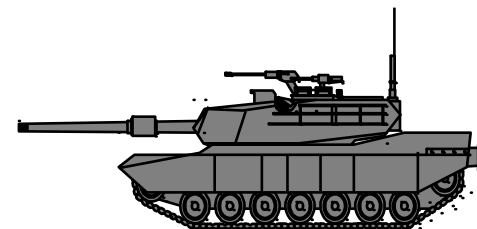
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# ELECTRONIC INTELLIGENCE (ELINT)

- INTELLIGENCE DERIVED FROM NON-COMMUNICATIONS EMITTERS.
- PRIMARILY ENEMY **RADARS**.

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***DESERT THUNDER!***





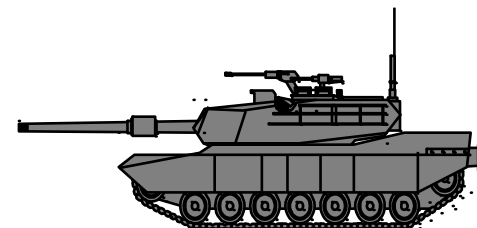
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# COUNTERINTELLIGENCE (CI)

- THE MISSION OF ARMY COUNTERINTELLIGENCE IS TO SUPPORT FORCE PROTECTION.
- CI IS A **MULTI-DISCIPLINED FUNCTION** (CONSISTING OF **COUNTER-HUMINT, COUNTER-IMINT, AND COUNTER-SIGINT**) DESIGNED TO DEFEAT OR DEGRADE THREAT INTELLIGENCE AND TARGETING CAPABILITIES.

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***DESERT THUNDER!***





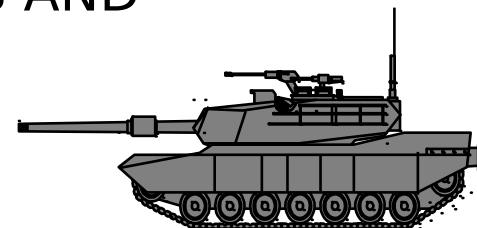
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# TECHNICAL INTELLIGENCE (TECHINT)

- INTELLIGENCE DERIVED BY ANALYZING INFORMATION OBTAINED THROUGH THE STUDY OF CAPTURED EQUIPMENT AND DOCUMENTATION.
  - **BATTLEFIELD TECHINT** PROVIDES OPERATIONAL AND TACTICAL COMMANDERS WITH IMMEDIATE AND USABLE INTELLIGENCE ON THE CAPABILITIES AND LIMITATIONS OF CAPTURED THREAT EQUIPMENT.
  - **SCIENTIFIC AND TECHNICAL INTELLIGENCE (S&TI)** PROVIDES DETAILED ANALYSIS ON THE TECHNICAL CHARACTERISTICS OF FOREIGN SYSTEMS AND MATERIAL.

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***DESERT THUNDER!***

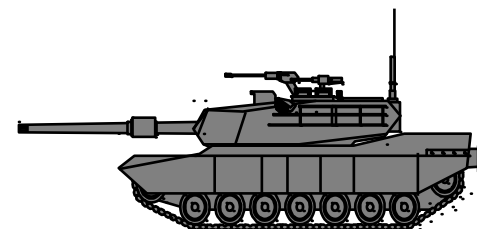




# ELECTRONIC WARFARE (EW)

- DEFENDS FRIENDLY ELECTROMAGNETIC COMMUNICATIONS WHILE DISRUPTING, DEGRADING, DECEIVING, AND EXPLOITING THOSE OF THE ENEMY.
- EW IS CONDUCTED AT ALL ECHELONS.
- EW IS AN OVERARCHING TERM THAT INCLUDES THE THREE MAJOR COMPONENTS OF ELECTRONIC WARFARE:
  - ELECTRONIC SUPPORT (ES)
  - ELECTRONIC ATTACK (EA)
  - ELECTRONIC PROTECTION (EP).

***DESERT THUNDER!***





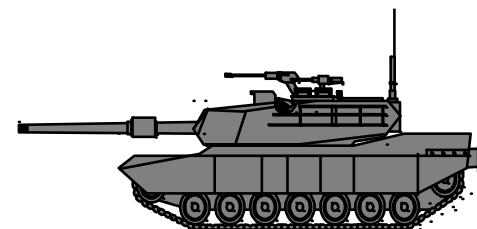
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# ELECTRONIC WARFARE SUPPORT (ES)

ACTIONS TASKED BY, OR UNDER DIRECT  
CONTROL OF, A COMMANDER TO  
**SEARCH FOR, INTERCEPT, IDENTIFY,  
AND LOCATE** SOURCES OF RADIATED  
ELECTROMAGNETIC ENERGY FOR  
IMMEDIATE THREAT RECOGNITION IN  
SUPPORT OF EW OPERATIONS.

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***DESERT THUNDER!***



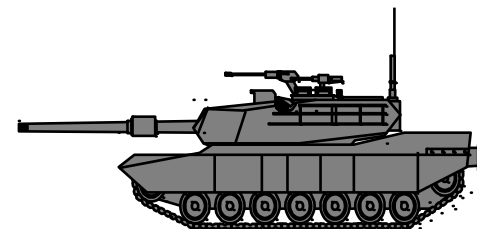


# ELECTRONIC ATTACK (EA)

THE USE OF ELECTROMAGNETIC OR  
DIRECTED ENERGY TO **ATTACK**  
PERSONNEL, FACILITIES, OR  
EQUIPMENT WITH THE INTENT OF  
DEGRADING, NEUTRALIZING, OR  
DESTROYING ENEMY COMBAT  
CAPABILITY.

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***DESERT THUNDER!***





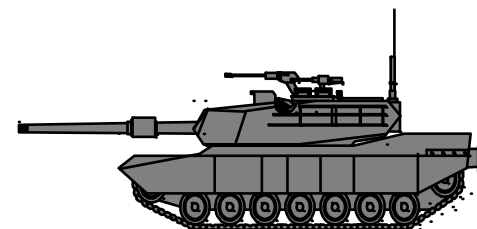
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# ELECTRONIC PROTECTION (EP)

**ACTIONS TAKEN TO PROTECT  
PERSONNEL, FACILITIES, OR  
EQUIPMENT FROM ANY EFFECTS OF  
ENEMY EMPLOYMENT OF EW THAT  
DEGRADES, NEUTRALIZES, OR  
DESTROYS FRIENDLY COMBAT  
CAPABILITY.**

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***DESERT THUNDER!***



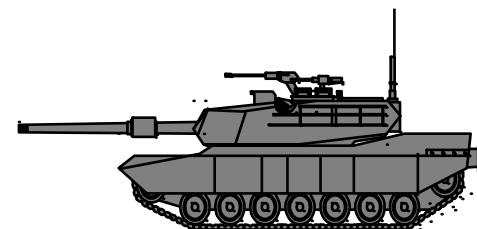


# AREA OF OPERATION

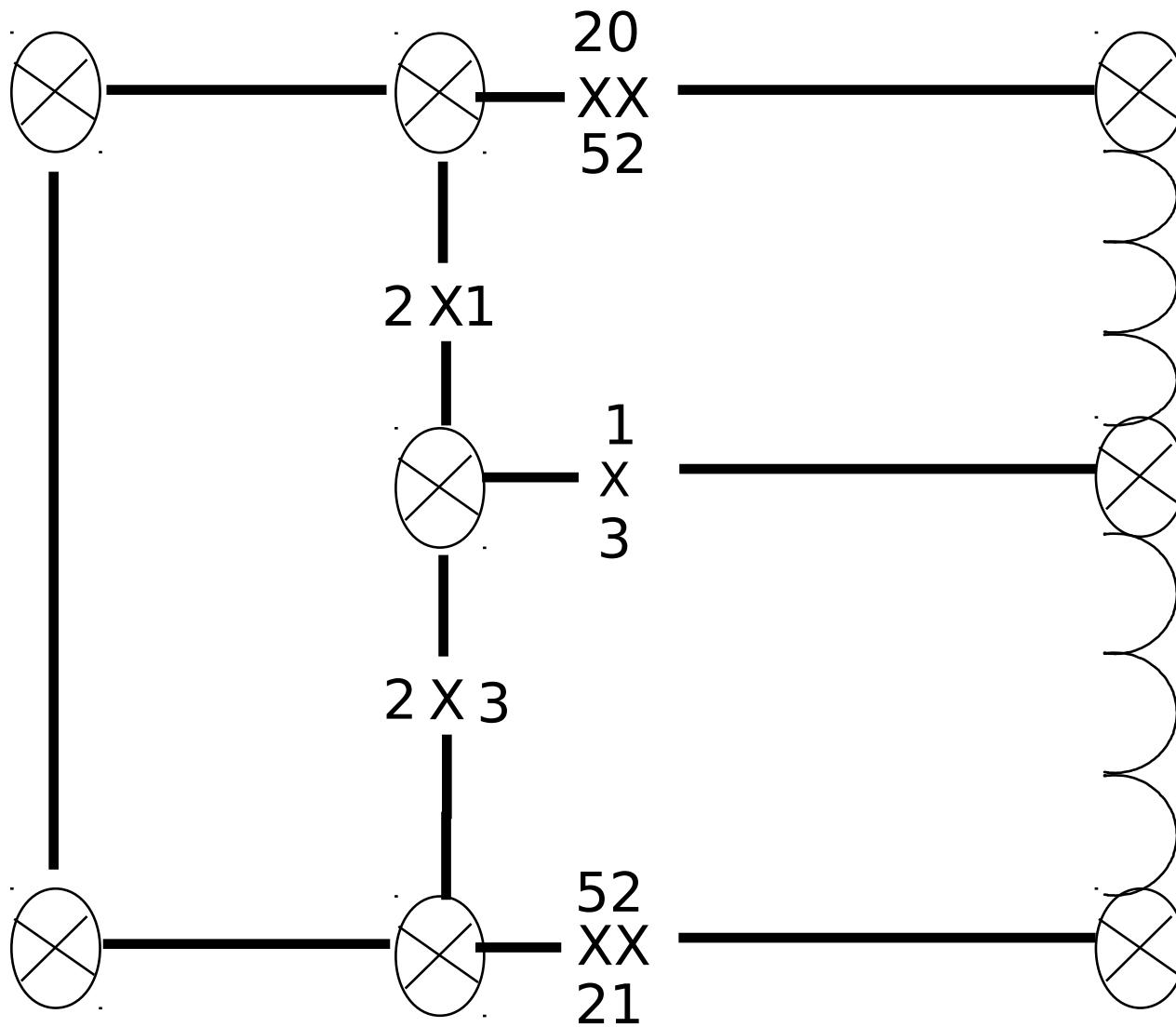
- THAT PORTION OF AN AREA OF CONFLICT NECESSARY FOR MILITARY OPERATIONS.
- THE AO IS THE GEOGRAPHIC AREA ASSIGNED TO A COMMANDER, FOR WHICH HE HAS RESPONSIBILITY, AND IN WHICH HE HAS THE AUTHORITY TO CONDUCT MILITARY OPERATIONS.

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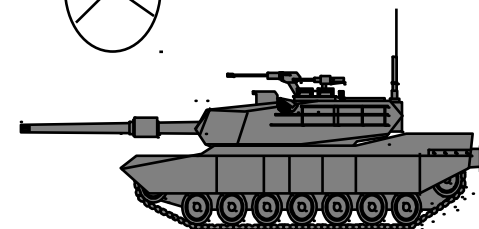
***DESERT THUNDER!***







**DESERT THUNDER!**



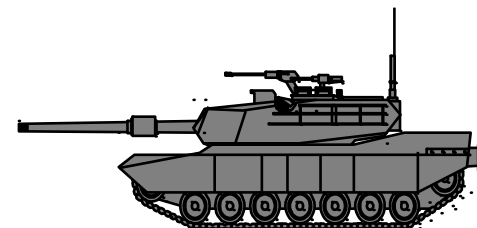


# BATTLE SPACE

- COMPONENTS DETERMINED BY THE MAXIMUM CAPABILITIES OF A UNIT TO ACQUIRE AND DOMINATE THE ENEMY.
- INCLUDES AREAS BEYOND THE AO.
- VARIES OVER TIME ACCORDING TO HOW THE COMMANDER POSITIONS HIS ASSETS.
- THREE DIMENSIONAL VIEW OF THE BATTLEFIELD.

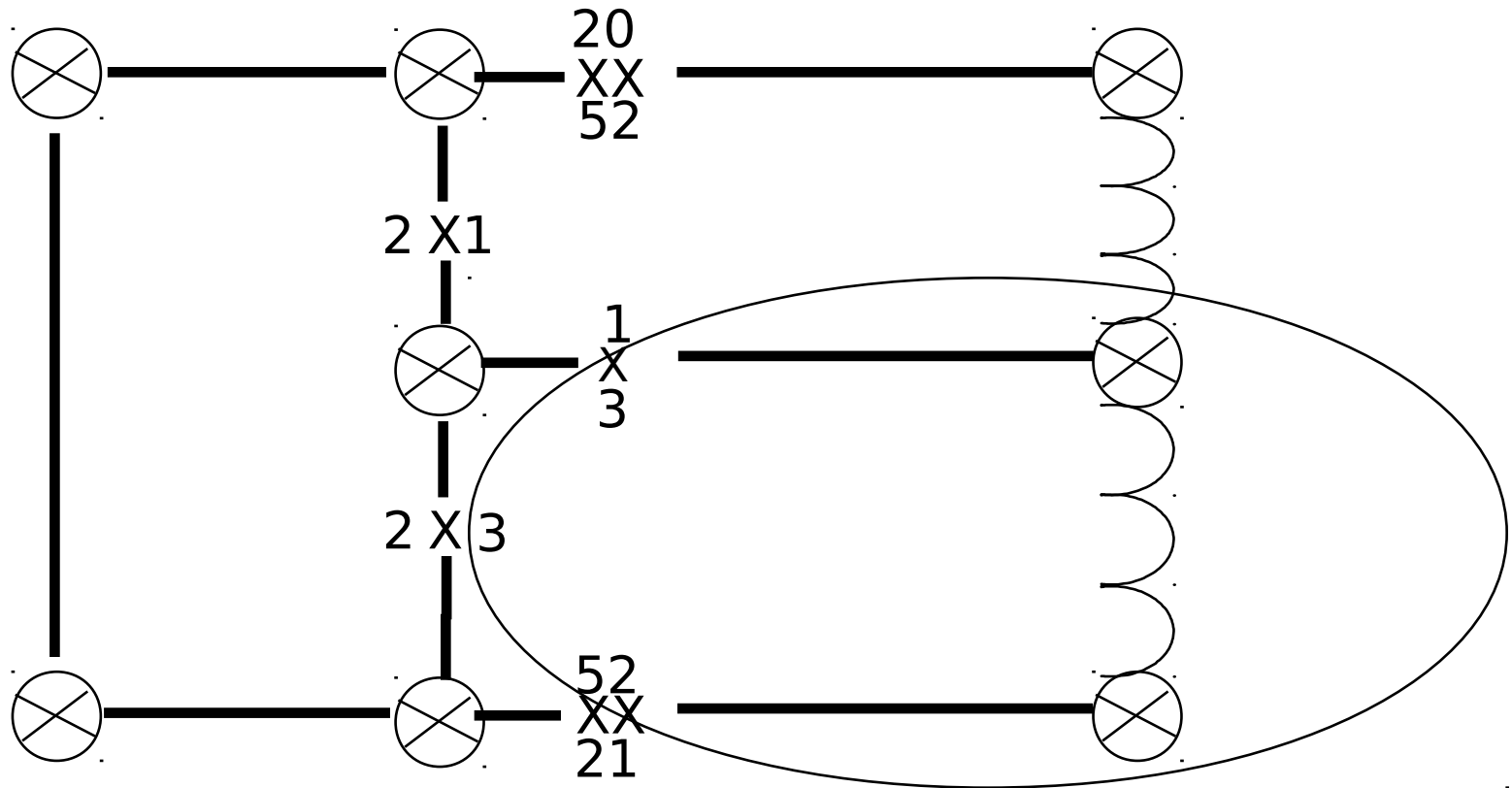
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***DESERT THUNDER!***

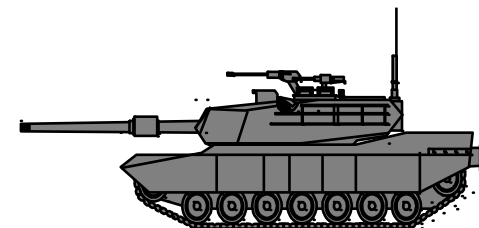




## BATTLE SPACE



**DESERT THUNDER!**



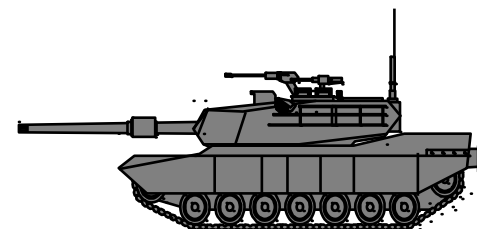


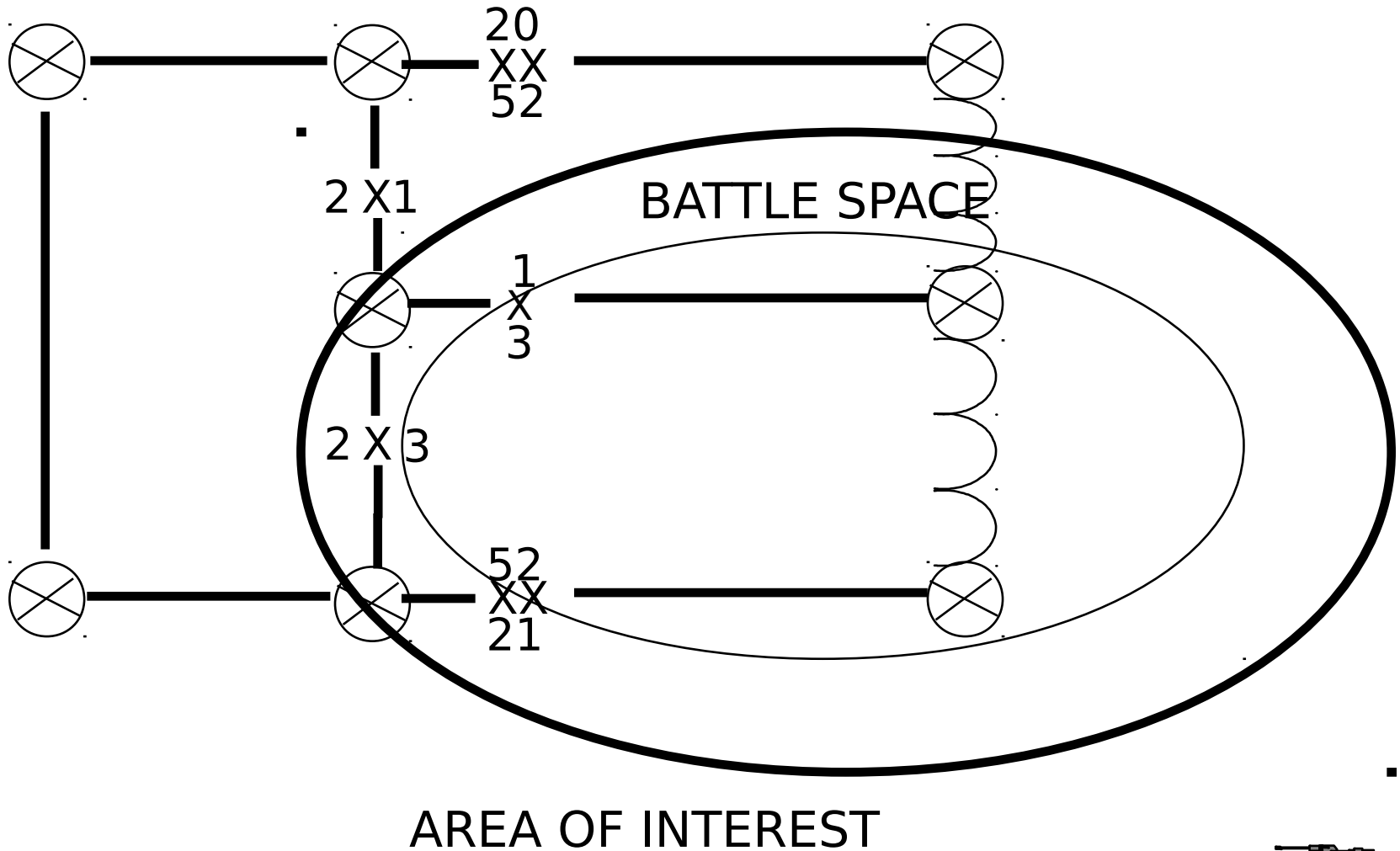
# AREA OF INTEREST

- THE GEOGRAPHICAL AREA FROM WHICH INFORMATION AND INTELLIGENCE ARE REQUIRED.
- THE AI IS USUALLY LARGER THAN THE COMMAND'S AO AND BATTLE SPACE.
- THE AREA OF INTEREST IS DETERMINED BASED ON THE FACTORS OF **METT-T** THAT WILL INFLUENCE THE ACCOMPLISHMENT OF THE MISSION.

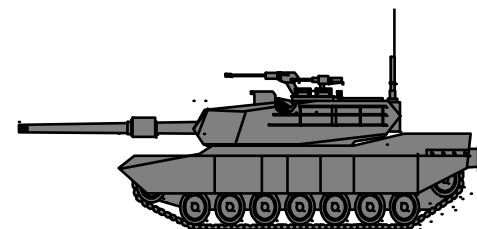
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***DESERT THUNDER!***





**DESERT THUNDER!**





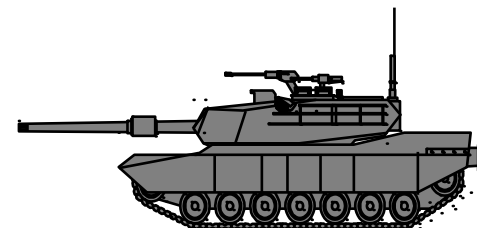
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# PRIORITY INTELLIGENCE REQUIREMENTS (PIR)

- AN INTELLIGENCE REQUIREMENT ASSOCIATED WITH A DECISION THAT WILL AFFECT THE OVERALL SUCCESS OF THE COMMAND'S MISSION.
- PIR ARE A SUBSET OF INTELLIGENCE REQUIREMENTS OF A HIGHER PRIORITY THAN INFORMATION REQUIREMENTS.
- PIR ARE PRIORITIZED AND MAY CHANGE IN PRIORITY AND NECESSITY OVER THE COURSE OF THE CONDUCT OF OPERATIONS.

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***DESERT THUNDER!***



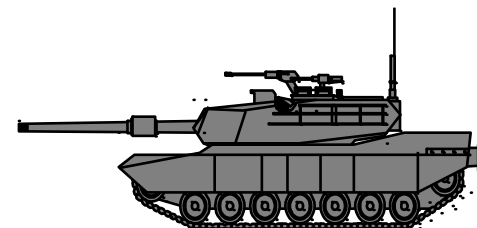


# INFORMATION REQUIREMENTS (IR)

- A REQUIREMENT FOR INTELLIGENCE TO **FILL A GAP** IN THE COMMAND'S KNOWLEDGE AND UNDERSTANDING OF THE BATTLEFIELD OR THREAT FORCES.
- LESS IMPORTANT INTELLIGENCE REQUIREMENTS ARE DESIGNATED AS IR.

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***DESERT THUNDER!***



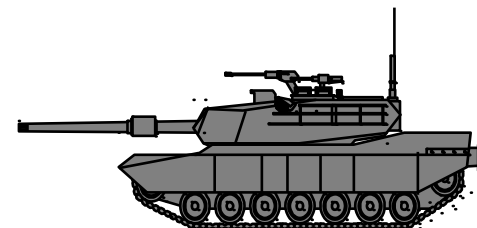


# G2/S2 RESPONSIBILITIES

- (1) INTELLIGENCE
- (2) COUNTERINTELLIGENCE
- (3) SECURITY

---

***DESERT THUNDER!***





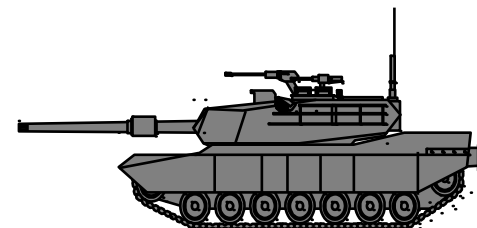


# G3/S3 RESPONSIBILITIES

- (1) OPERATIONS SECURITY (OPSEC)
- (2) ELECTRONIC WARFARE (EW)  
OPERATIONS
- (3) BATTLEFIELD DECEPTION

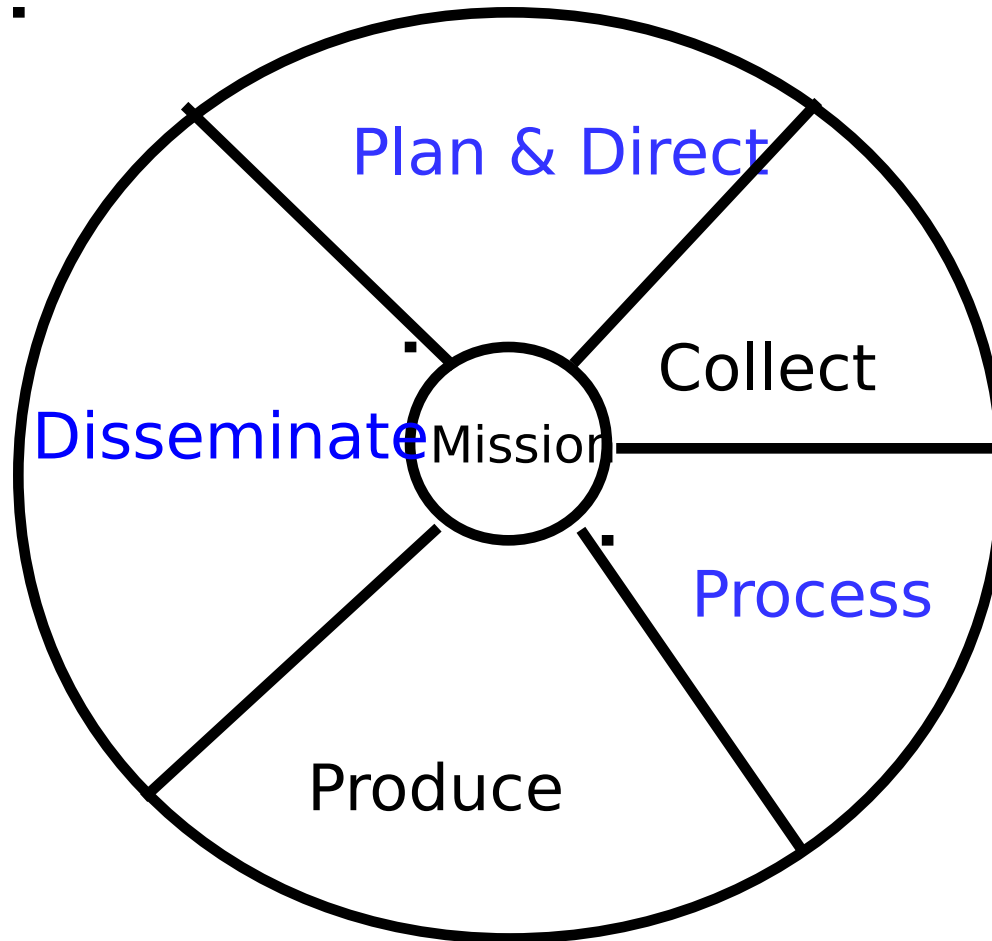
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***DESERT THUNDER!***

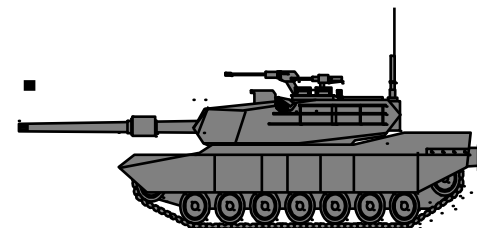




# INTEL CYCLE

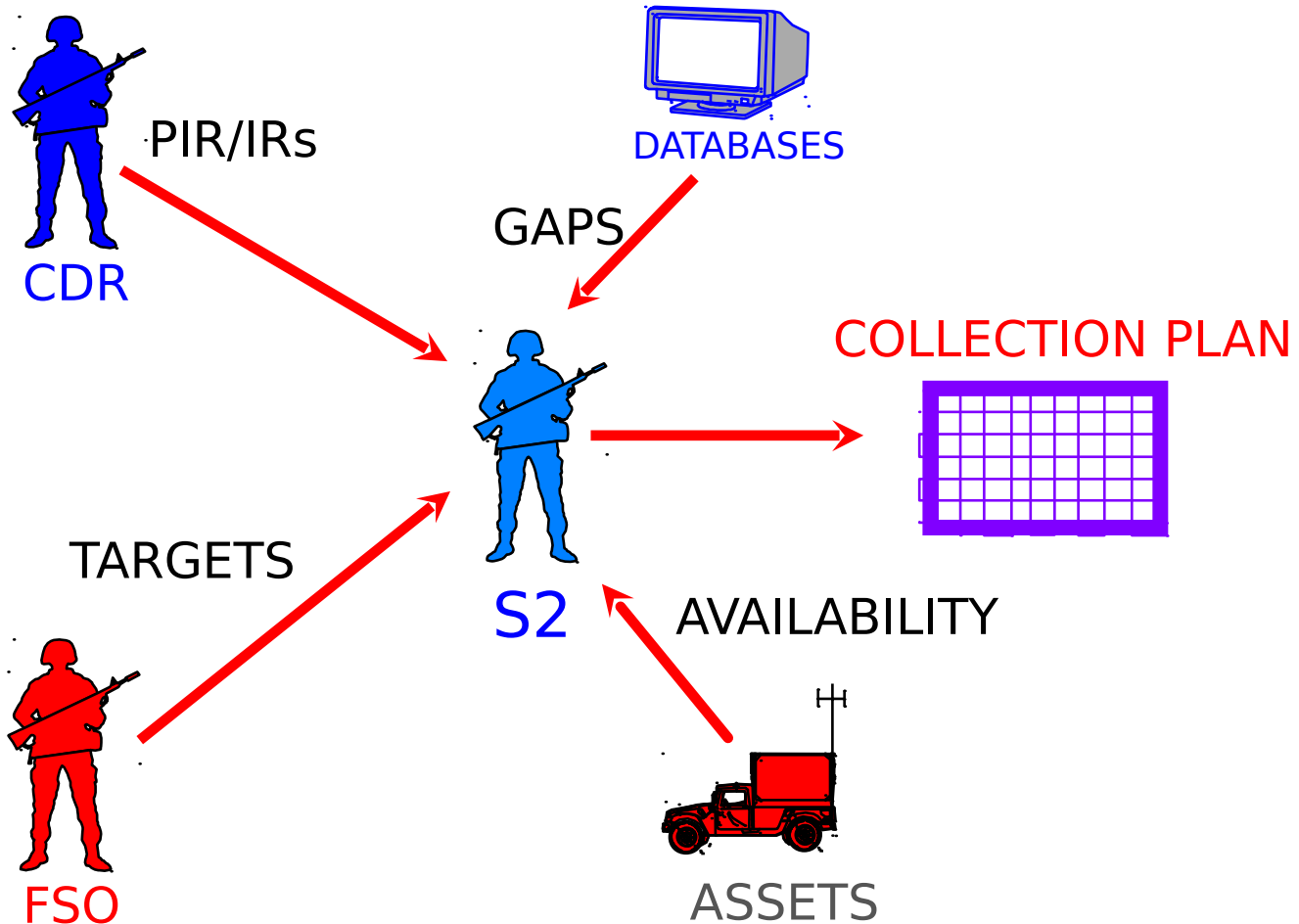


***DESERT THUNDER!***

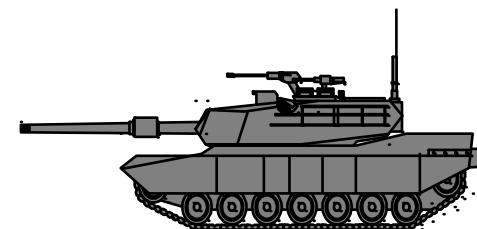




# PLAN AND DIRECT

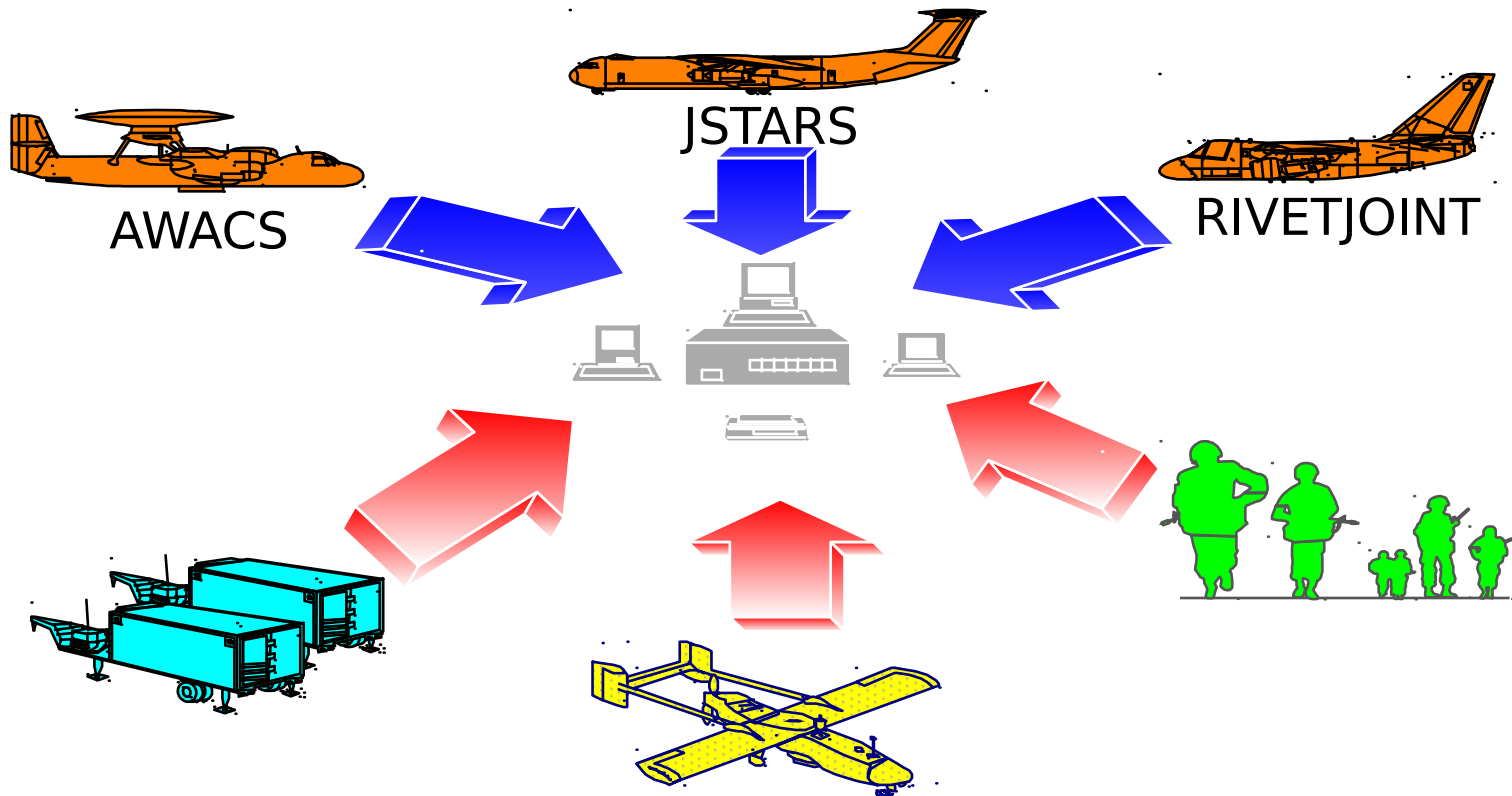


**DESERT THUNDER!**

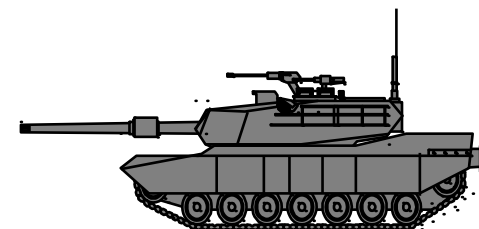




# COLLECT

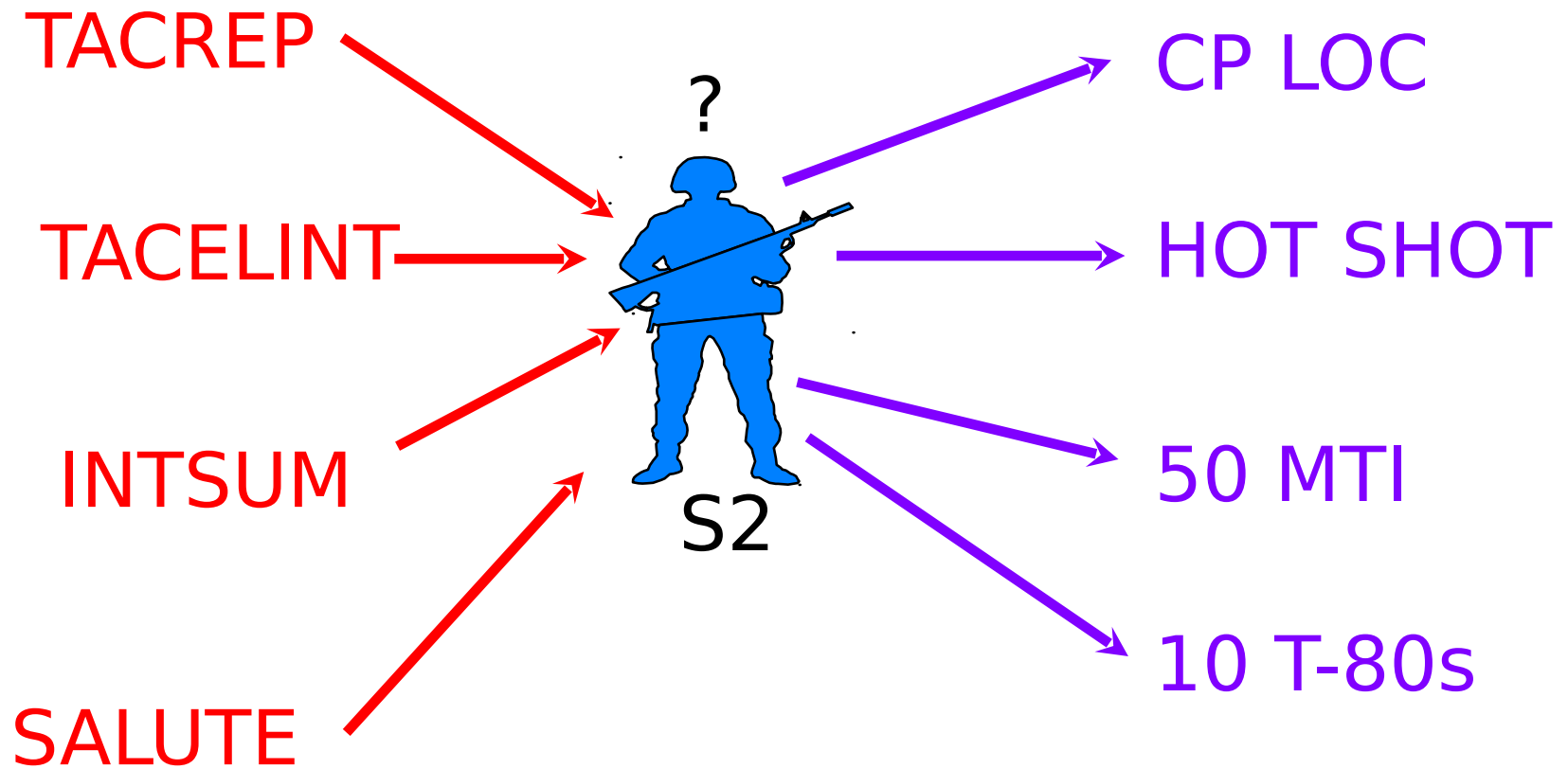


***DESERT THUNDER!***

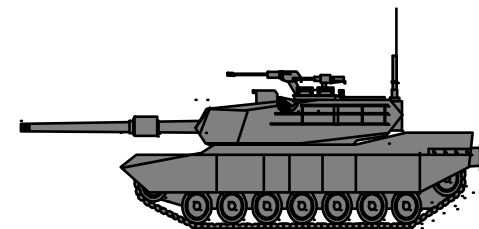




# PROCESS

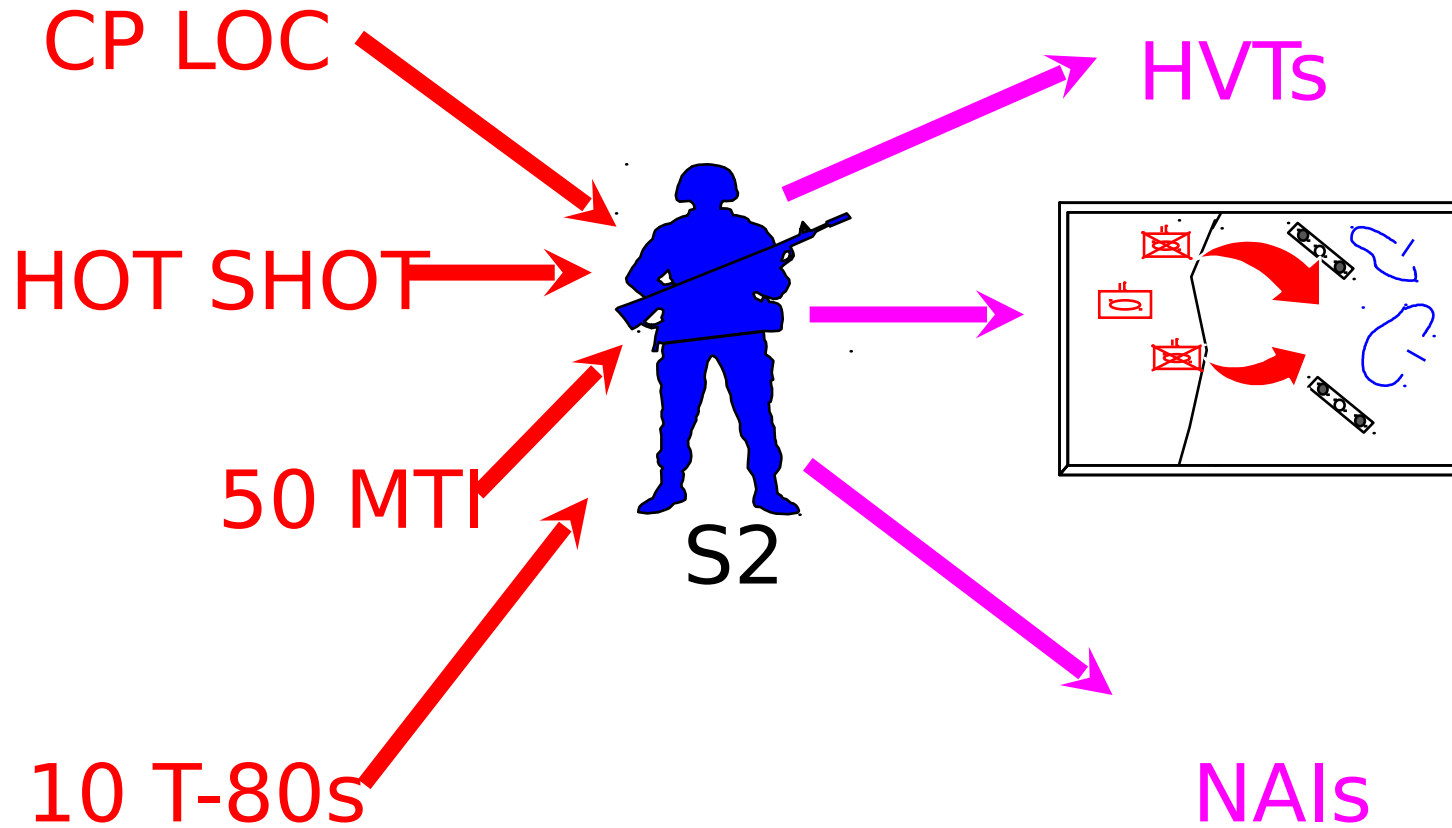


***DESERT THUNDER!***

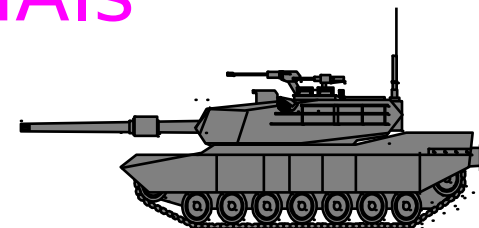




# PRODUCE

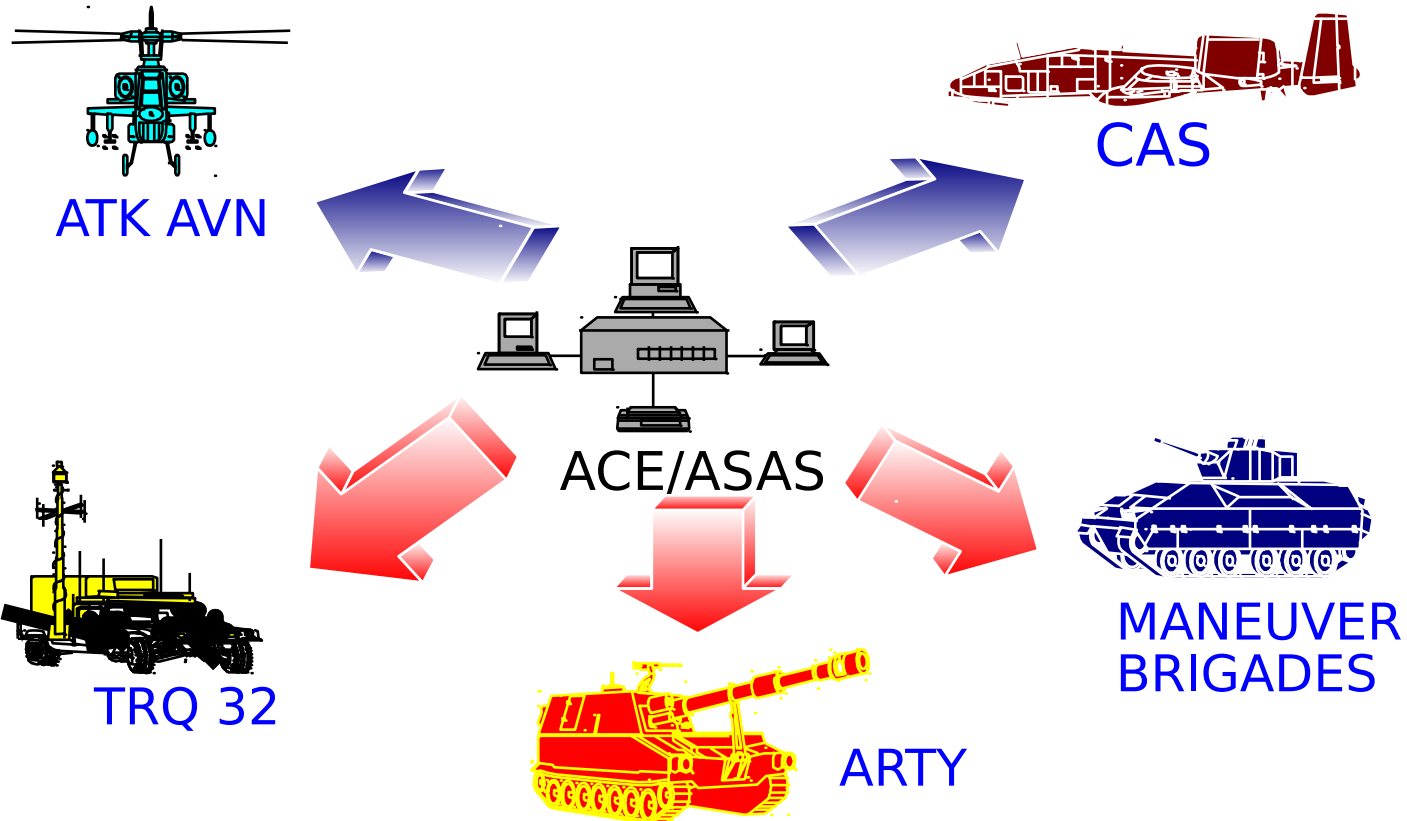


***DESERT THUNDER!***

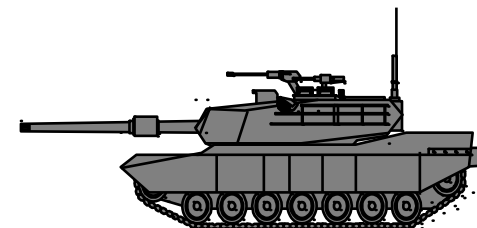




# DISSEMINATE



***DESERT THUNDER!***



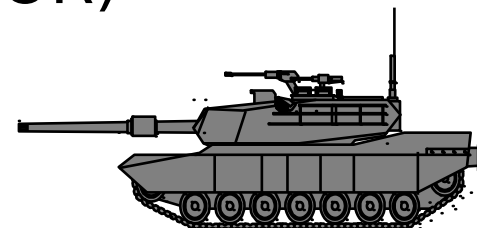


# COLLECTION MANAGEMENT

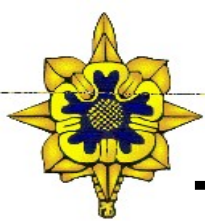
- THE PROCESS OF COORDINATING THE ACTIVITIES OF ALL COLLECTORS (HUMINT/COMINT/IMINT/ETC) TO SATISFY THE COMMANDER'S PIR/IR.
- THIS IS ACCOMPLISHED THROUGH:
  - MISSION MANAGEMENT FOR IEW MISSIONS
  - MISSION TASKING FOR IEW MISSIONS
  - SPECIFIC ORDERS OR REQUESTS (SOR)

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***DESERT THUNDER!***







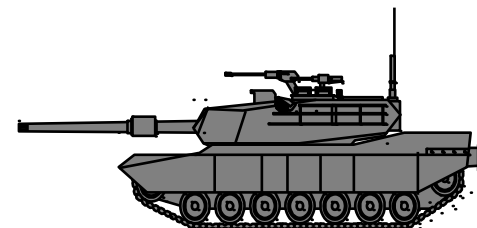
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# TARGETS OF INTELLIGENCE RESOURCES

- MOVERS: MOVING ELEMENTS OF THE ENEMY FORCE
- SITTERS: STATIONARY TARGETS
- EMITTERS: COMMUNICATIONS AND NON-COMMUNICATIONS SYSTEMS
- SHOOTERS: ALL DIRECT AND INDIRECT FIRE WEAPONS AND MISSILE SYSTEMS

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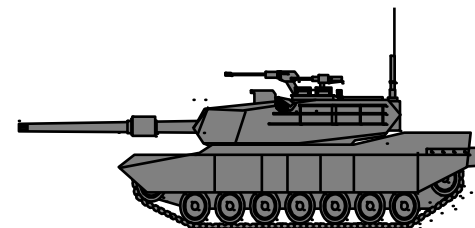


# MOVERS

- THE DETECTION, LOCATION, AND TRACKING OF MOVERS ARE IMPORTANT IN IDENTIFYING ENEMY PATTERNS OF ACTIVITY.
- THESE PATTERNS LOCATE ENEMY CONCENTRATIONS OF FORCES, DEFENSIVE POSITIONS, LINES OF COMMUNICATION, KEY INSTALLATIONS, AND RESERVE MOVEMENT.

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***DESERT THUNDER!***



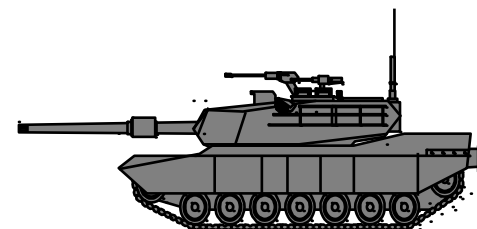


# SITTERS

- SITTERS ARE FIXED OR SEMI-FIXED TARGETS SUCH AS ENEMY CP's OR SERVICE SUPPORT FACILITIES.
- THEIR IDENTIFICATION AND LOCATION MAY PROVIDE INDICATORS OF ENEMY INTENTIONS.

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***DESERT THUNDER!***



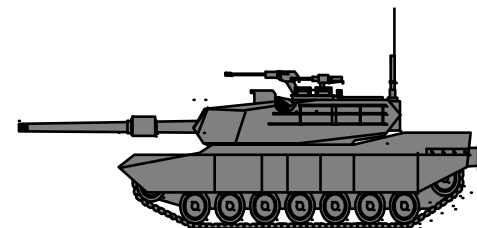


# EMITTERS

- THE DETECTION AND IDENTIFICATION OF ELECTROMAGNETIC EMISSIONS ARE A LUCRATIVE SOURCE OF INFORMATION.
- RADARS, COMMUNICATIONS EQUIPMENT
- THE ANALYSIS OF WHICH MAY PROVIDE:
  - ANSWERS TO COMMANDER'S PIRs
  - CONFIRMATION OR DENIAL OF ENEMY COAs
  - EARLY WARNING/FORCE PROTECTION

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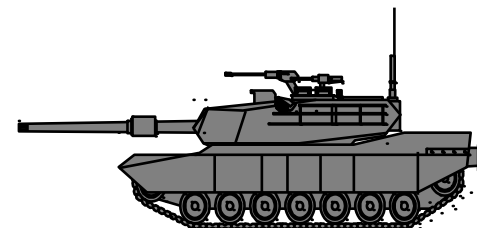


# SHOOTERS

- SHOOTERS ARE BOTH DIRECT AND INDIRECT FIRE SYSTEMS.
- SHOOTERS INCLUDE **ADA AND FA MISSILE SYSTEMS.**
- THESE SYSTEMS MAY BE LOCATED BY TRACKING THEIR PROJECTILES AFTER THEY ARE FIRED.

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***DESERT THUNDER!***





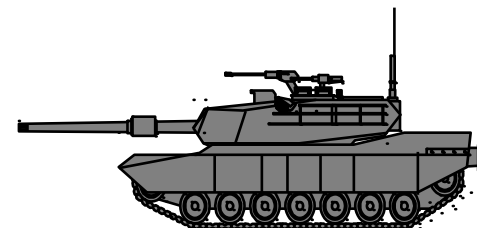
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# COMMAND RELATIONSHIPS

- ORGANIC
- ASSIGNED
- ATTACHED
- OPERATIONAL CONTROL (OPCON)

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***DESERT THUNDER!***



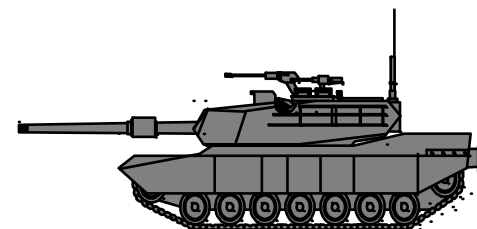


# ORGANIC

- THOSE ASSETS WHICH ARE AN INTEGRAL PART OF A MILITARY ORGANIZATION.
- THESE ASSETS ARE LISTED ON A TABLE OF ORGANIZATION AND EQUIPMENT (TO&E) WHICH SPECIFIES THE QUANTITY OF PERSONNEL, MATERIAL, AND STRUCTURE OF A UNIT.

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***DESERT THUNDER!***



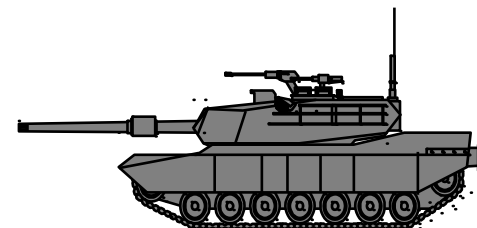


# ASSIGNED

THOSE ASSETS WHICH ARE PLACED IN AN ORGANIZATION ON A **RELATIVELY PERMANENT** BASIS AND ARE CONTROLLED AND MAINTAINED BY THE ORGANIZATION TO WHICH ASSIGNED.

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***DESERT THUNDER!***





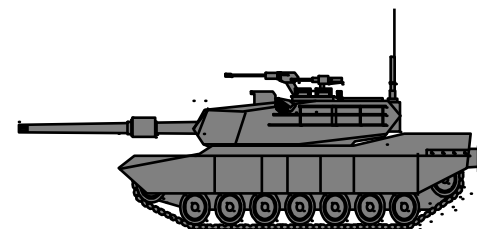


# ATTACHED

THOSE ASSETS WHICH ARE PLACED IN AN ORGANIZATION ON A **TEMPORARY BASIS**. THE DIRECTIVE ESTABLISHING THIS RELATIONSHIP ESTABLISHES SPECIFIC TERMS OF ATTACHMENT SUCH AS PROVISIONS FOR CSS (COMBAT SERVICE SUPPORT).

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***DESERT THUNDER!***



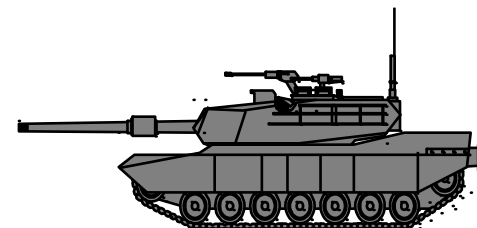


# OPERATIONAL CONTROL (OPCON)

- THOSE ASSETS WHICH ARE PLACED IN AN ORGANIZATION FOR **COMMAND AND CONTROL PURPOSES ONLY.**
- **NO COMBAT SERVICE SUPPORT IS PROVIDED BY THE GAINING UNIT.**
- DOES NOT PERMIT THE GAINING COMMANDER TO TAILOR THE OPCON UNIT.
  - EXAMPLE: IF A PLATOON IS PLACED OPCON OF ANOTHER UNIT, PLATOON INTEGRITY MUST BE MAINTAINED.

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***DESERT THUNDER!***





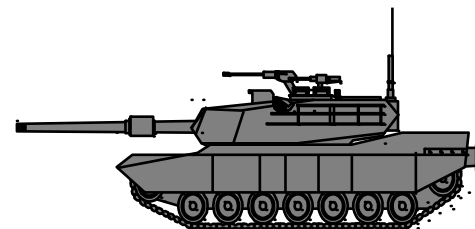
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# STANDARD TACTICAL MISSIONS

- DIRECT SUPPORT (DS)
- GENERAL SUPPORT (GS)
- REINFORCING (R)
- GENERAL SUPPORT REINFORCING (GSR)

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***DESERT THUNDER!***



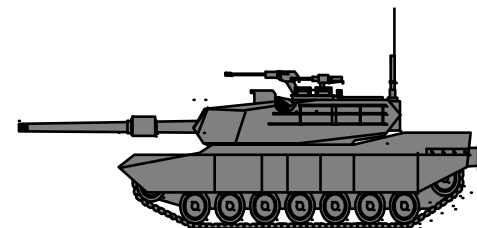


# DIRECT SUPPORT (DS)

- MILITARY INTELLIGENCE UNIT IN DIRECT SUPPORT GIVES **FIRST PRIORITY OF IEW SUPPORT TO THE SUPPORTED UNIT.**
- SECOND PRIORITY IS GIVEN TO THE FORCE AS A WHOLE.

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***DESERT THUNDER!***





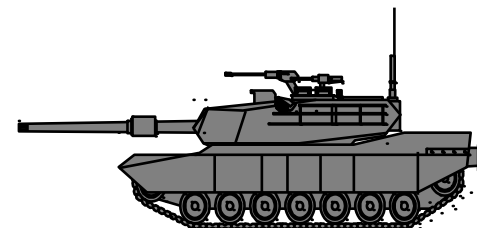
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# GENERAL SUPPORT (GS)

A MILITARY INTELLIGENCE UNIT IN  
GENERAL SUPPORT GIVES ITS PRIORITY  
OF IEW SUPPORT TO THE FORCE AS A  
WHOLE.

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***DESERT THUNDER!***





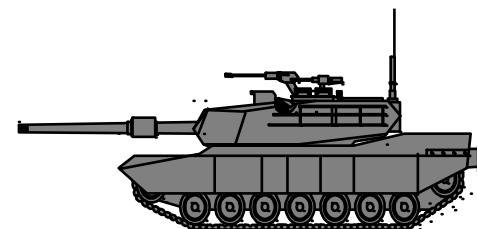
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# REINFORCING (R)

- MI UNITS CAN ONLY REINFORCE ANOTHER MI UNIT.
- THE PRIORITY OF IEW SUPPORT IS TO THE REINFORCED MI UNIT.

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***DESERT THUNDER!***



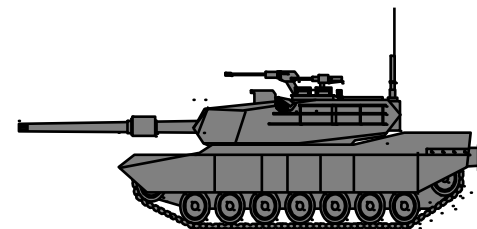


# GENERAL SUPPORT REINFORCING (GSR)

- A MI UNIT IN A GSR ROLE GIVES **FIRST PRIORITY** OF IEW SUPPORT TO THE **FORCE AS A WHOLE**.
- **SECOND PRIORITY** OF IEW SUPPORT GOES TO THE **REINFORCED MI UNIT**.

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***DESERT THUNDER!***





# QUESTIONS

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***DESERT THUNDER!***

